Indiana's Response to Intervention Academy

Using Technology to Support Response to Intervention

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Components to Consider

- Leadership
- **Evidence-based core curriculum, instruction, & interventions/extensions**
- **Assessment and progress monitoring system**
- **Data-based decision making**
- Cultural responsivity
- Family, community & school partnerships

Six Core Components

The six core components of RTI at Oakland:

- Assist teachers in identifying students at risk of poor learning outcomes
- Monitor student progress
- Provide evidence-based interventions
- Adjust intensity and nature of interventions
- Identify students with learning or other disabilities.

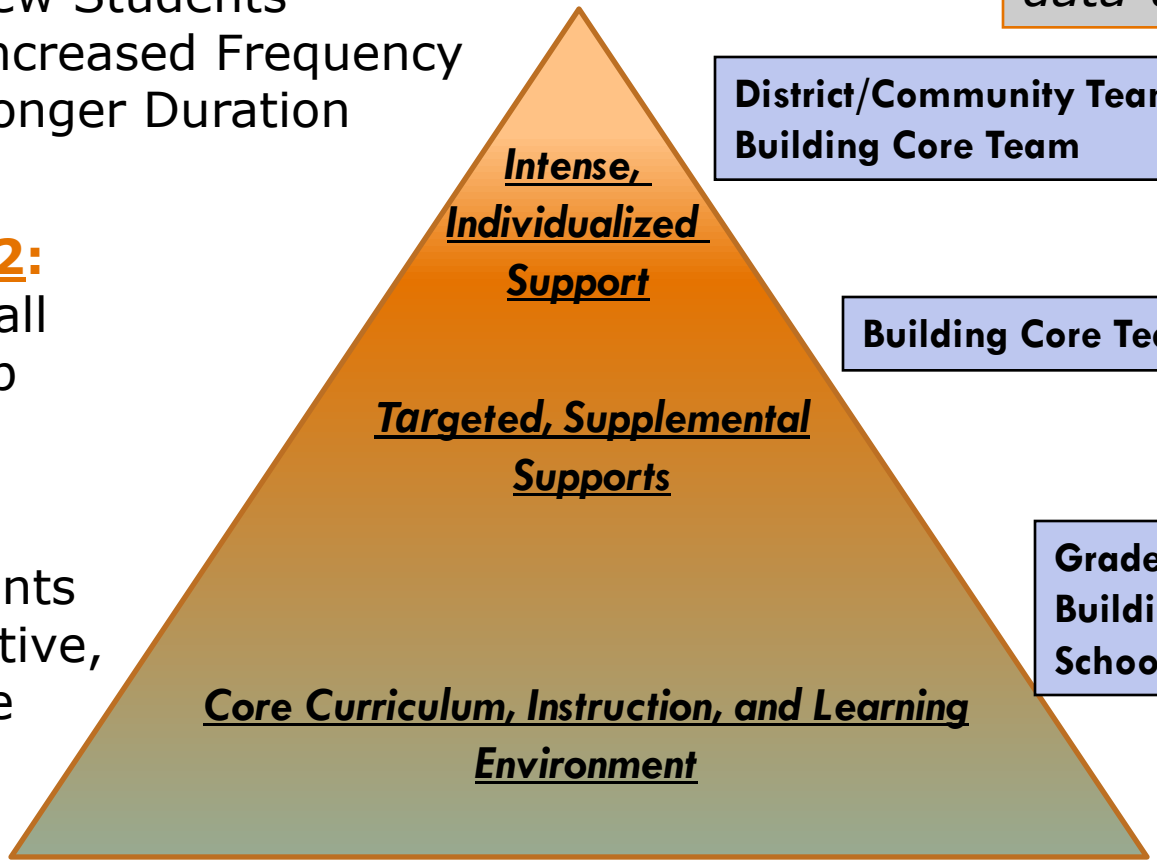
Integrated System for Academic and Behavioral Supports

Services across tiers are fluid and data-driven

Tier 3:
- Few Students
- Increased Frequency
- Longer Duration

Tier 2:
- Small Group

Tier I:
- All Students
- Preventative, Proactive



District/Community Team
Building Core Team

Building Core Team

Grade Level Teams
Building Core Team
School Improvement Team

Preview: Connecting Our Presentation to Indiana's Vision of RTI

Tier 1: How to use technology as a learning tool in our classrooms to:

- Strengthen core instructional strategies
- Assess all students to drive instruction

Tier 2: How to incorporate technology in small group instruction to:

- Address common academic needs
- Progress monitor

Tier 3: How to incorporate technology in individualized instruction to:

- Meet individual academic needs
- Continue to progress monitor

Oakland Elementary

Demographic Information

Oakland Elementary School is located in Elwood, Indiana, a small blue-collar community with approximately 8,037 residents. Oakland Elementary was renovated during the 2002-2003 school year. The renovation allowed for the addition of classrooms which has assisted with the implementation of technology. The 2008-09 enrollment is 412 students, grades K-5.

Oakland Elementary

Student Population:

- 208 Female students
- 204 Male students
- 73 Special education/speech students
- 66% Students receive free/reduced lunch
- 5% Hispanic
- 93% Caucasian
- 2% Multi-racial

Hardware at Oakland

- Computer Lab 1
- Computer Lab 2
- Computer Lab 3
- Portable Laptop Lab
- SMART Boards
- Student Response System

Tier 1: Providing Effective Instruction for All through Technology

Assessments:

- K-2 Wireless Generation
- Grades 3-5 Acuity
- Student Response System

Instruction:

- SMART Boards
- Study Island
- Orchard
- FASTT Math

Wireless Generation

(State Recommended)

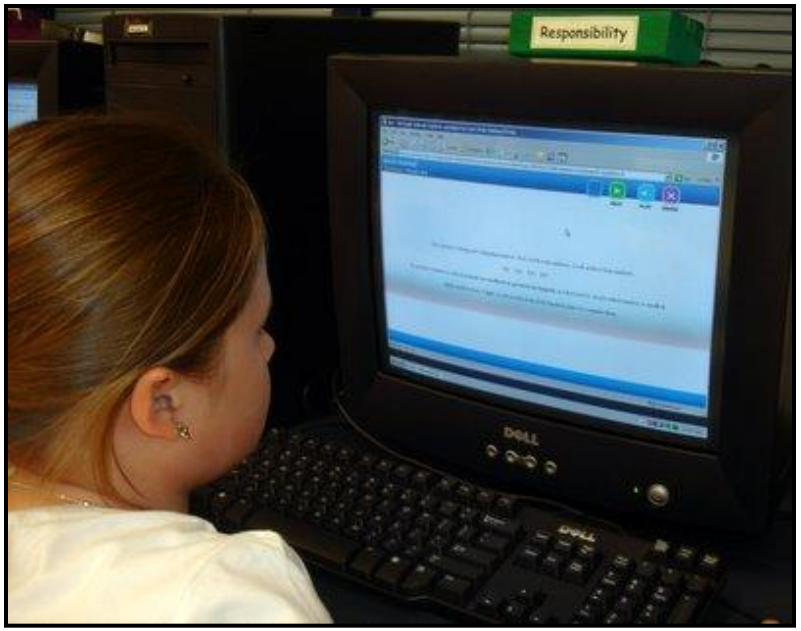
This company supports mCLASS software, enabling teachers to use handheld devices for providing formative assessments, progress monitoring and differentiated instruction in English/

Language Arts and

Math.

Acuity
(State Recommended)

Acuity is an all-in-one system for improving student achievement. It provides predictive and diagnostic assessments, reporting and instruction integrated into one system.



Acuity

Features of Acuity:

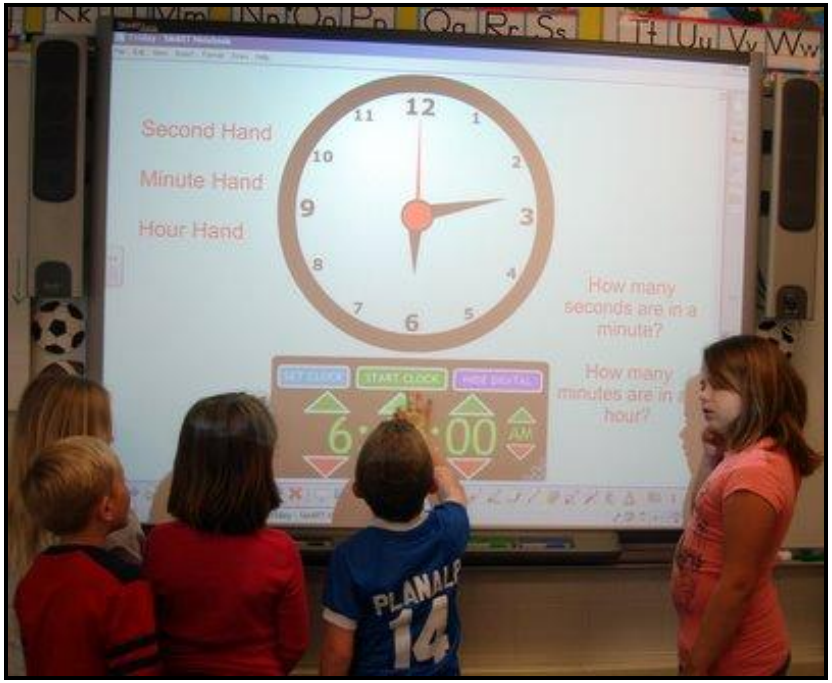
- Indicates performance on state NCLB exams
- Diagnoses student strengths and weaknesses relative to state standards
- Delivers a selection of easy to use reports that recommend specific actions to improve student achievement. Reports available at student, class, school, district and multi-district levels.

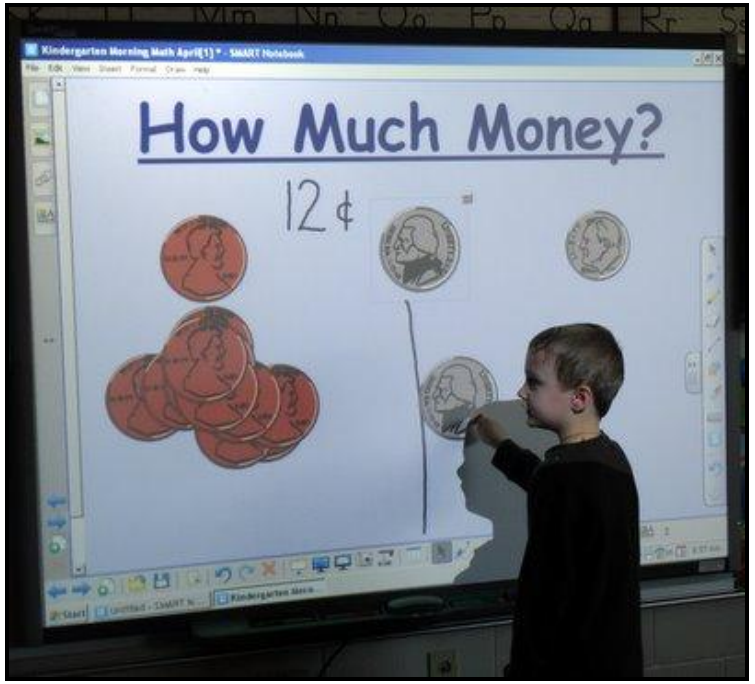
Acuity

- Assigns engaging personalized instructional activities based on individual and class results
- Provides flexible options for creating and delivering assessments
- Includes high-quality items, aligned to state standards
- Supports flexible delivery options: online, paper-and-pencil, or a combination

SMART Boards

Interactive whiteboards integrate digital content and multimedia in a class/group learning environment.

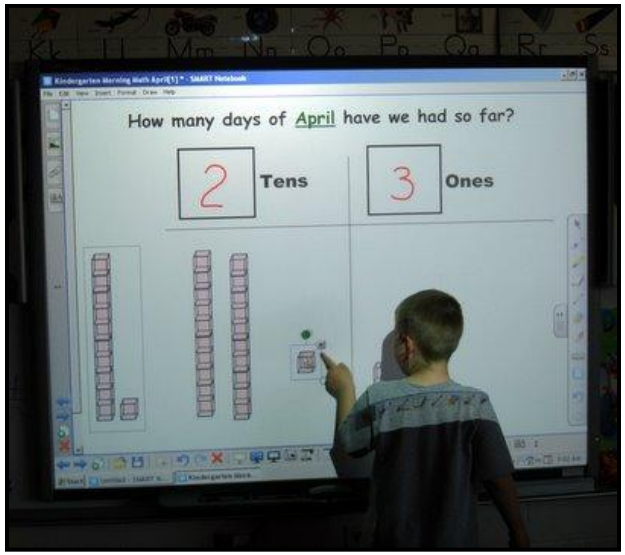




SMART Boards

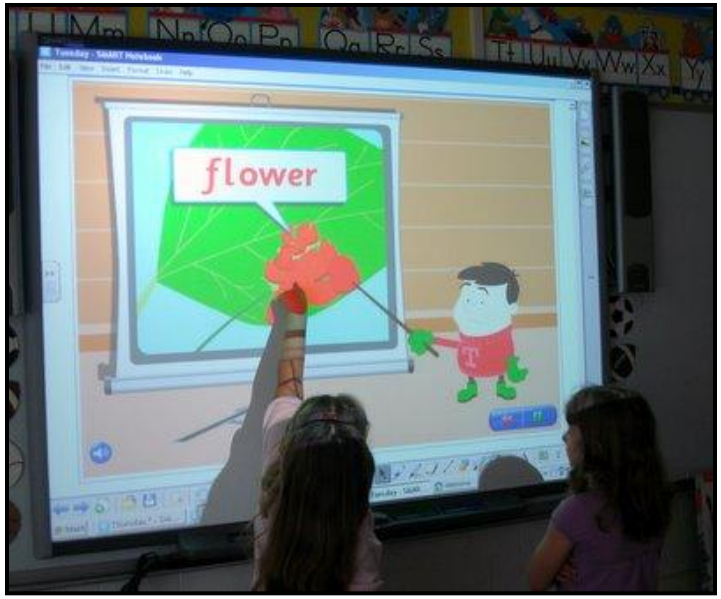
Learning activities with an interactive whiteboard may include, but are not limited to the following:

- Manipulating text and images
- Making notes in digital ink
- Saving notes for later review by using e-mail, the Web or print
- Viewing websites as a group
- Demonstrating or using software at the front of a room without being tied to a computer



SMART Boards

- Creating digital lessons activities with template, images and multimedia
- Writing notes over educational video clips
- Using presentation tools that are included with the white boarding software to enhance learning materials
- Showcasing student presentations



Study Island

Study Island provides web-based state assessment preparation and standards based learning programs.

How it Works:

- Upon subscribing to Study Island your school will receive a welcome manual with instruction for accessing and using the program. Additionally, an in-person teacher training session option is available.

- Students can access the program by logging on to www.studyisland.com where they will find each topic organized with a lesson, assessment questions ad explanations. The mastery of these topics will help students gain confidence when taking ISTEP+.

Study Island

- In order to complete the program, students must take the pretest, complete the content groups, and master the post test.

Study Island

Features:

- Build directly from the Indiana Academic Standards
- Research-based, easy-to-use and affordable for all schools and districts
- Web-based – students can log on via the Internet anytime, anywhere
- Traditional assessments or interactive games based on the academic standards
- State-specific lessons and questions with immediate feedback and automated instruction.
- Real-time progress reports to drive differentiation and instruction in your classroom.

Orchard

Orchard provides language arts and math based programs for grades K-5. These programs correlate with the Indiana Academic Standards and give students extra practice with these skills.

Features:

- Both language arts and math offer pretests and post tests at each grade level
- Skill trees are available for each grade
- Vocabulary program aligns with our basal reading series
- Science program for grades 4-12

FASTT Math

The FASTT Math intervention program uses the research-validated FASTT system (Fluency and Automaticity through Systematic Teaching with Technology) to help all students develop fluency with basic math facts. FASTT Math automatically differentiates instruction based on each student's individual fluency level in customized 10-minute daily sessions.

FASTT Math

Features

- Grades 2 and up
- Covers basic 0-9 and 0-12 addition, subtraction, multiplication, and division facts
- English and Spanish
- Flexible implementation designed to support any curriculum or schedule
- 10-minute instructional sessions
- Proven effective

Tier 2: Establishing an Intervention Structure for At-Risk Students with Technology

Assessment/Progress Monitoring:

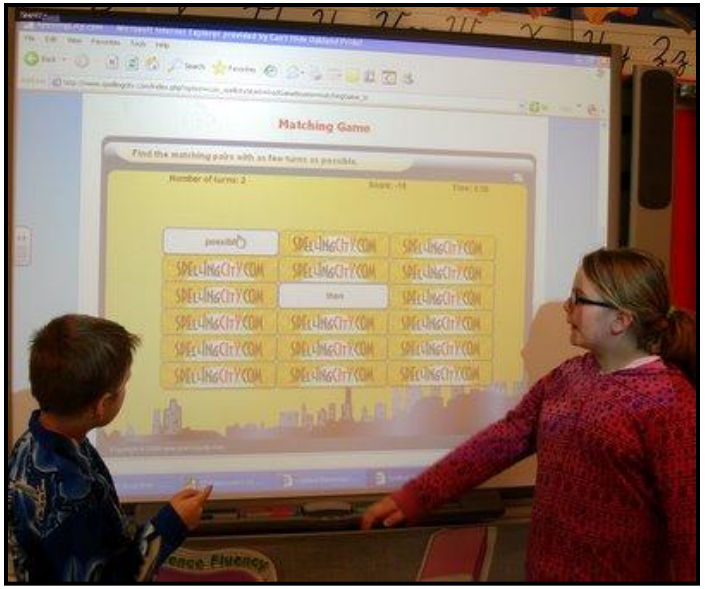
- Wireless Generation
- Acuity
- Student Response System

Instruction:

- Smart Boards
- Read 180
- System 44
- Read About
- Study Island
- Orchard

SMART Boards

Provide teachers with multiple ways to represent information using interactive text, images, sound and video files. These capabilities speak to the multiple senses of sight, sound and touch and help reinforce topics to support differentiated small group instruction.

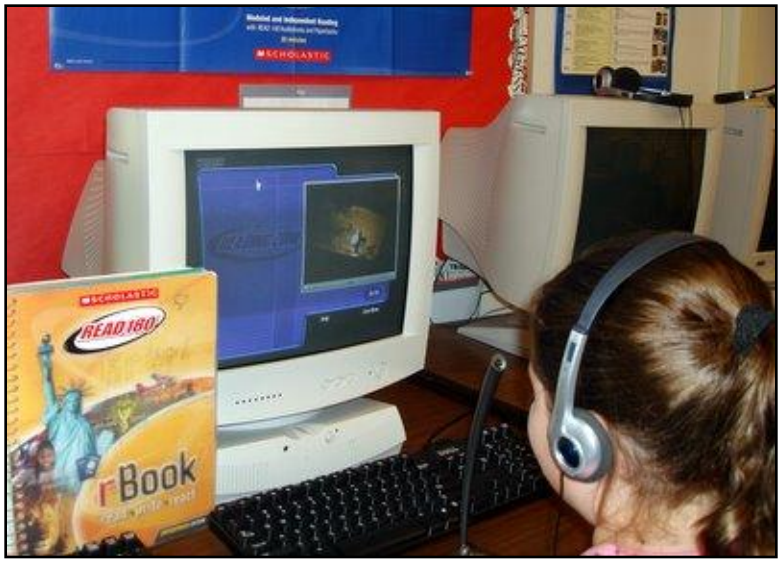


READ 180

Read 180 is an intensive reading intervention program that helps educators confront the problem of adolescent literacy and special needs reading. Read 180 incorporates technology, print and professional development.

Addresses individual needs through:

- Differentiated instruction
- Adaptive and instructional software
- High-interest literature
- Direct instruction in reading, writing and vocabulary

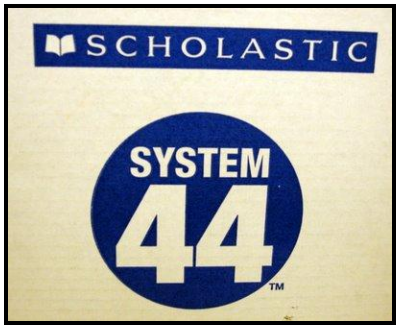


System 44

System 44 helps students understand that the English language is made up of 44 sounds and 26 letters that can be mastered. This program is designed for our most challenged, struggling readers in grades 3-12.

Features:

- Assessment for screening and placement
- Research-based phonics instruction
- Highly motivating and age-appropriate adaptive technology.



Read About

Read About is an adaptive, **nonfiction** reading system that begins at grade 4 and works with your current reading instruction. Read About is a Tier 1 or 2 intervention, as it helps a wide range of students, including below, on, or above level readers, English-Language Learners and special needs student.

Features:

- Leveled text allows students to engage at their individual reading levels.
- Assessment and managing system
- Aligns with Read 180 and System 44

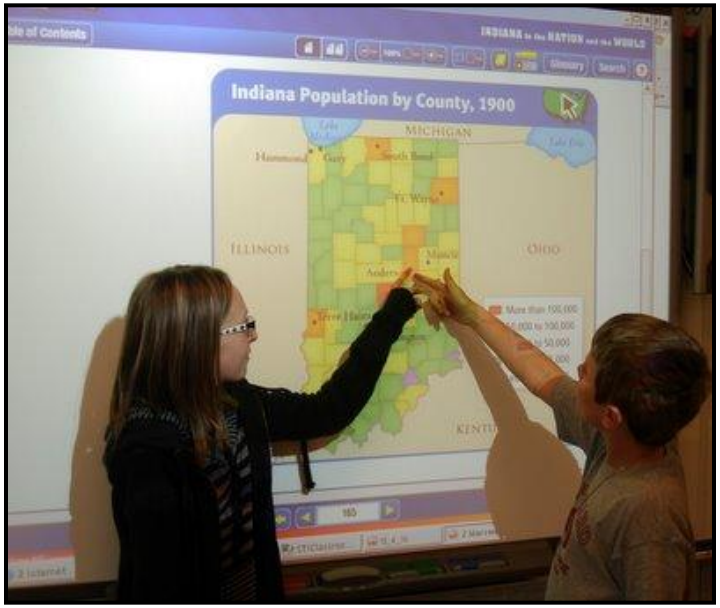
Tier 3: Delivering Intensive Intervention to Non-Responders Through Technology

Assessments:

- Wireless Generation
- Acuity
- Student Response System

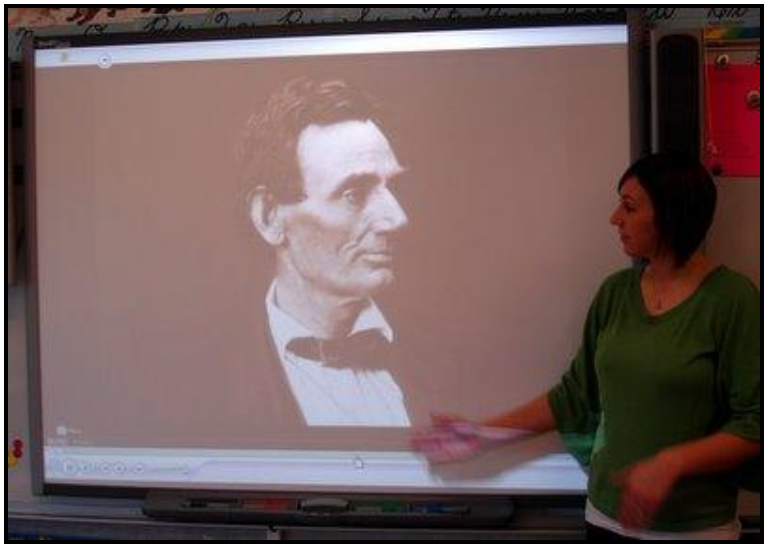
Instruction:

- SMART Boards
- Read 180
- System 44



SMART Boards

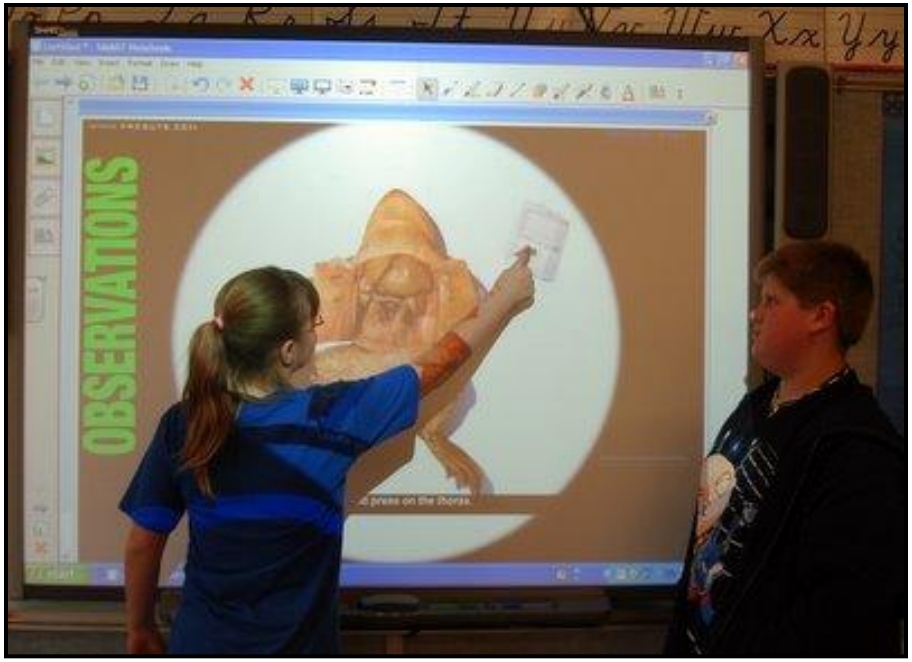
"Young children who have not yet acquired writing skills and older pupils with special educational needs are highly motivated by being able to demonstrate their skills and knowledge with the tapping and dragging facilities of the interactive whiteboard." (Somekh, 2007)



SMART Boards

Accommodating learners with special needs:

- Fine motor delay
- Visually challenged
- Deaf students
- Mental and behavioral challenges

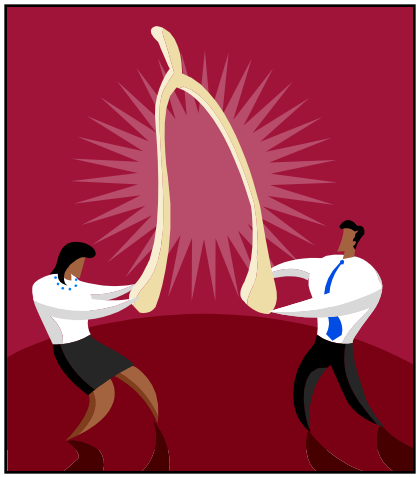


Student Response System

This teaching tool combines wireless remotes, a receiver and powerful software to help you conduct assessments and report, track and analyze the results. Students use remotes to provide instant responses to questions and quizzes, and the software automatically tallies and files the results. It gives you instant insight into how well students understand your lessons.

Technology "Wish List"

- SMART Tables
- Additional Student Response Systems
- Additional Portable Laptop Labs
- Wireless Airliners
- Pilot Classroom with Computers in Desks



Take Home: Connecting Our Presentation to Indiana's Vision of RTI

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